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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/711,585	09/27/2004	Charles Gary Kay	028647-000023	5584
24239	7590 06/23/2006		EXAMINER LARKIN, DANIEL SEAN	
MOORE & V P.O. BOX 137	VAN ALLEN PLLC 106			
Research Trian	ngle Park, NC 27709		ART UNIT PAPER NUMBER	
			2856	
			DATE MAIL ED: 06/23/2006	6

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/711,585	KAY, CHARLES GA	ARY
Office Action Summary	Examiner	Art Unit ,	
	Daniel S. Larkin	2856	
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with	the correspondence addr	ess
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA 136(a). In no event, however, may a repl will apply and will expire SIX (6) MONTH te, cause the application to become ABAN	ATION. by be timely filed IS from the mailing date of this common strength (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This action is FINAL. 3) Since this application is in condition for allowed closed in accordance with the practice under	s action is non-final. ance except for formal matter		nerits is
Disposition of Claims		,	
4) ☐ Claim(s) 1-49 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-49 are subject to restriction and/or	awn from consideration.	,	
Application Papers		,	
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) accompanies and accompanies are applicant may not request that any objection to the Replacement drawing sheet(s) including the correct and the correct are accompanies. The oath or declaration is objected to by the Examination.	cepted or b) objected to by e drawing(s) be held in abeyance ction is required if the drawing(s)	e. See 37 CFR 1.85(a).) is objected to. See 37 CFR	
Priority under 35 U.S.C. § 119		,	
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat * See the attached detailed Office action for a list	nts have been received. nts have been received in Apporting to the contract of	plication No eceived in this National S	itage
Attachment(s)	4) 🔲 Interview Su	mmary (PTO-413)	
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 	Paper No(s)/	Mail Date ormal Patent Application (PTO-	152)

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DETAILED ACTION

Election/Restrictions

- 1. This application contains claims directed to the following patentably distinct species:
- -- The species which appears to be embodied in claims 1 and 2 and described in paragraphs [6, lines 1-6] and [7, lines 7-10].
- -- The species which appears to be embodied in claims 1-3 and described in paragraphs [6, lines 1-6] and [7, lines 7-10].
- -- The species which appears to be embodied in claims 1-5 and described in paragraphs [6, lines 1-6], [7, lines 7-10], and [8, lines 2-4].
- -- The species which appears to be embodied in claims 1, 2, and 6 and described in paragraphs [6, lines 1-6], [7, lines 7-10], and [8, lines 4 and 5].
- -- The species which appears to be embodied in claims 1-3, and 7 and described in paragraphs [6, lines 1-6], [7, lines 7-10], and [8, lines 5-7].
- -- The species which appears to be embodied in claims 1-3, and 8 and described in paragraphs [6, lines 1-6], [7, lines 7-10], and [9, lines 7 and 8].
- -- The species which appears to be embodied in claims 1-3, and 9 and described in paragraphs [6, lines 1-6], [7, lines 7-10], and [9, lines 1-2].
- -- The species which appears to be embodied in claims 1-3, and 10 and described in paragraphs [6, lines 1-6], [7, lines 7-10], and [9, lines 2-7].

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- -- The species which appears to be embodied in claims 1-3, 10, and 11 and described in paragraphs [6, lines 1-6], [7, lines 7-10], and [9, lines 2-8].
- -- The species which appears to be embodied in claims 1, 2, and 12 and described in paragraphs [6, lines 1-6], [7, lines 7-10], and [9, lines 11 and 12].
- -- The species which appears to be embodied in claims 1-3 and 13 and described in paragraphs [6, lines 1-6], [7, lines 7-10], and [9, lines 11 and 12].
- -- The species which appears to be embodied in claims 1-3, 8, and 14 and described in paragraphs [6, lines 1-6], [7, lines 7-10], and [9, lines 7, 8, 11, and 12].
- -- The species which appears to be embodied in claims 1-3, 10, 11, and 15 and described in paragraphs [6, lines 1-6], [7, lines 7-10], and [9, lines 2-8, 11, and 12].
- -- The species which appears to be embodied in claims 1 and 16 and described in paragraphs [6, lines 1-6], [7, lines 7-10], and [9, lines 2-7].
- -- The species which appears to be embodied in claims 1, 16, and 17 and described in paragraphs [6, lines 1-6], [9, lines 2-7], and [8, lines 2-4].
- -- The species which appears to be embodied in claims 1, 16, and 18 and described in paragraphs [6, lines 1-6], [9, lines 2-7], and [8, lines 2-4].
- -- The species which appears to be embodied in claims 1, 16, and 19 and described in paragraphs [6, lines 1-6], [9, lines 2-7], and [8, lines 4 and 5].
- -- The species which appears to be embodied in claims 1, 16, and 20 and described in paragraphs [6, lines 1-6], [9, lines 2-7], and [8, lines 5-7].
- -- The species which appears to be embodied in claims 1, 16, and 21 and described in paragraphs [6, lines 1-6] and [9, lines 2-8].

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-- The species which appears to be embodied in claims 1, 16, and 22 and described in paragraphs [6, lines 1-6] and [9, lines 2-7, 11, and 12].

- -- The species which appears to be embodied in claims 1, 16, 18, and 23 and described in paragraphs [6, lines 1-6], [9, lines 2-7, 11, and 12], and [8, lines 2-4].
- -- The species which appears to be embodied in claims 1, 16, 20, and 24 and described in paragraphs [6, lines 1-6], [9, lines 2-7, 11, and 12], and [8, lines 5-7].
- -- The species which appears to be embodied in claims 1, 16, 21, and 25 and described in paragraphs [6, lines 1-6] and [9, lines 2-8, 11, and 12].
- -- The species which appears to be embodied in claims 1 and 26 and described in paragraphs [6, lines 1-6], [8, lines 7 and 8], and [9, lines 9 and 10].
- -- The species which appears to be embodied in claims 1 and 27 and described in paragraphs [6, lines 1-6 and 10-12].
- -- The species which appears to be embodied in claims 1-3 and 28 and described in paragraphs [6, lines 1-6], [7, lines 7-10], [8, lines 7 and 8], and [9, lines 9 and 10].
- -- The species which appears to be embodied in claims 1-3 and 29 and described in paragraphs [6, lines 1-6, and 10-12] and [7, lines 7-10].
- -- The species which appears to be embodied in claims 1-3, 9, and 30 and described in paragraphs [6, lines 1-6], [7, lines 7-10], [8, lines 7 and 8], and [9, lines 1, 2, 9 and 10].
- -- The species which appears to be embodied in claims 1-3, 9, and 31 and described in paragraphs [6, lines 1-6 and 10-12], [7, lines 7-10], and [9, lines 1 and 2].

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- -- The species which appears to be embodied in claims 32 and described in paragraph [10, lines 1-13] and Figure 6.
- -- The species which appears to be embodied in claims 32 and 33 and described, in paragraph [10, lines 1-13] and Figure 6.
- -- The species which appears to be embodied in claims 32 and 34 and described in paragraph [10, lines 1-13] and Figure 8.
- -- The species which appears to be embodied in claims 32 and 35 and described in paragraph [10, lines 1-13] and Figure 6.
- -- The species which appears to be embodied in claims 32, 34, and 36 and described in paragraph [10, lines 1-13] and Figure 8.
- -- The species which appears to be embodied in claims 32 and 37 and described in paragraph [10, lines 1-13] and Figure 6.
- -- The species which appears to be embodied in claims 32, 33, 37, and 38 and described in paragraph [10, lines 1-13] and Figure 6.
- -- The species which appears to be embodied in claims 32-34, 37, and 39 and described in paragraph [10, lines 1-13] and Figure 8.
- -- The species which appears to be embodied in claims 32, 33, 35, 37, 38, and 40 described in paragraph [10, lines 1-13] and Figure 6.
- -- The species which appears to be embodied in claims 32-34, 36-38, and 41 and described in paragraph [10, lines 1-13] and Figure 8.
- -- The species which appears to be embodied in claims 32, 33, 37, 38, and 42 and described in paragraph [10, lines 1-13] and Figure 6.

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- -- The species which appears to be embodied in claims 32, 33, 37, 38, 42, and 43 and described in paragraph [10, lines 1-13] and Figure 6.
- -- The species which appears to be embodied in claims 32, 33, 35, 37, 38, 40, and 42-44 and described in paragraph [10, lines 1-13] and Figure 8.
- -- The species which appears to be embodied in claims 32, 33, 35, 37, 38, 40, 42, 43, and 45 and described in paragraph [10, lines 1-13] and Figure 8.
- -- The species which appears to be embodied in claims 32, 33, 37, 42, 43, and 46 and described in paragraph [10, lines 1-13] and Figure 6.
- -- The species which appears to be embodied in claims 32, 33, 37, 38, 42, 43, 46, and 47 and described in paragraphs [10, lines 1-13] and Figure 8.
- -- The species which appears to be embodied in claims 32, 33, 35, 37, 38, 40, 44, 46, and 48 and described in paragraphs [10, lines 1-13] and Figure 6
- -- The species which appears to be embodied in claims 32, 33, 35, 37, 38, 40, 42, 43, 45-47, and 49 and described in paragraph [10, lines 1-13] and Figure 8.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims appear to be generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim

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is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel S. Larkin whose telephone number is 571-272-2198. The examiner can normally be reached on 8:00 AM - 5:00 PM Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron Williams can be reached on 571-272-2208. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Daniel Larkin AU 2856 19 June 2006

DANIEL S. LARKIN PRIMARY EXAMINER